

WHAT IS CLAIMED IS:

1. A photoconductive imaging member comprised of an optional supporting substrate, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of at least one copolymer of an aminoalkyltrialkoxysilane and a silane.

2. A member in accordance with **claim 1** wherein said alkyl contains from 1 to about 18 carbon atoms.

3. A member in accordance with **claim 1** wherein said alkyl contains from 1 to about 10 carbon atoms.

4. A member in accordance with **claim 1** wherein said alkyl is propyl.

5. A member in accordance with **claim 1** wherein said alkoxy contains from 1 to about 12 carbon atoms.

6. A member in accordance with **claim 1** wherein said alkoxy is ethoxy, propoxy, butoxy, or pentoxy.

7. A member in accordance with **claim 1** wherein said silane is a monoalkoxy, a dialkoxy, a trialkoxy, or a tetraalkoxy silane.

8. A member in accordance with **claim 1** wherein said aminoalkyltrialkoxysilane is 3-aminopropyltrialkoxysilane.

9. A photoconductive imaging member comprised of a supporting substrate, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of at least one copolymer of an aminoalkyltrialkoxysilane, and an aminodialkyldialkoxysilane.

10. A member in accordance with **claim 9** wherein said aminoalkyltrialkoxysilane is 3-aminopropyltrialkoxysilane, and said aminodialkyldialkoxysilane is 3-aminopropylmethyldiethoxysilane.

11. A photoconductive imaging member comprised of an optional supporting substrate, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of a copolymer of an aminoalkyltrialkoxysilane, and a dialkoxydialkylsilane.

12. A member in accordance with **claim 11** wherein said aminoalkyltrialkoxysilane is 3-aminopropyltrialkoxysilane and said dialkoxydialkylsilane is diethoxydimethylsilane.

13. An imaging member in accordance with **claim 1** further containing an electron transport layer of N,N'-bis(1,2-dimethylpropyl)-1,4,5,8-naphthalenetetracarboxylic acid; bis(2-heptylimido)perinone; BCFM, butoxy carbonyl fluorenylidene malononitrile; benzophenone bisimide; or a substituted carboxybenzyl naphthaquinone.

14. An imaging member in accordance with **claim 1** wherein said hole blocking layer is of a thickness of from about 2 to about 12 microns.

15. An imaging member in accordance with **claim 14** further containing an electron transport layer of (4-n-butoxycarbonyl-9-fluorenylidene) malononitrile (BCFM), 2-methylthioethyl 9-dicyanomethylenefluorene-4-carboxylate, 2-(3-thienyl)ethyl 9-dicyanomethylene fluorene-4-carboxylate, 2-phenylthioethyl 9-dicyanomethylenefluorene-4-carboxylate, 11,11,12,12-tetracyano anthraquino dimethane or 1,3-dimethyl-10-(dicyanomethylene)-anthrone.

16. An imaging member in accordance with **claim 1** comprised in the following sequence of said supporting substrate, said hole blocking layer, an adhesive layer, said photogenerating layer, and said charge transport layer, and wherein said charge transport layer is a hole transport layer.

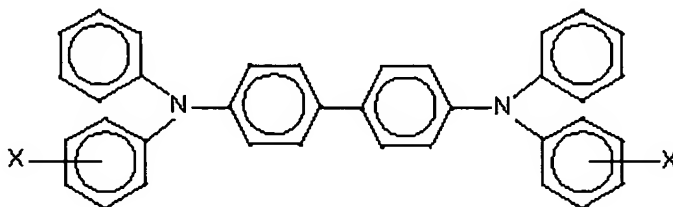
17. An imaging member in accordance with **claim 16** wherein the adhesive layer is comprised of a polyester with an M_w of from about 45,000 to about 75,000, and an M_n of from about 25,000 to about 40,000.

18. An imaging member in accordance with **claim 1** wherein the supporting substrate is comprised of a conductive metal substrate, and optionally which substrate is aluminum, aluminized polyethylene terephthalate, or titanized polyethylene terephthalate.

19. An imaging member in accordance with **claim 1** wherein said photogenerator layer is of a thickness of from about 0.05 to about 10 microns, and wherein said transport layer is of a thickness of from about 10 to about 50 microns.

20. An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of photogenerating pigments dispersed in a resinous binder, which pigments are selected in an optional amount of from about 5 percent by weight to about 95 percent by weight, and optionally wherein the resinous binder is selected from the group consisting of polyesters, polyvinyl butyrals, polycarbonates, polystyrene-b-polyvinyl pyridine, and polyvinyl formals.

21. An imaging member in accordance with **claim 1** wherein the charge transport layer comprises aryl amines, and which aryl amines are of the formula



wherein X is selected from the group consisting of alkyl and halogen.

22. An imaging member in accordance with **claim 21** wherein alkyl contains from about 1 to about 10 carbon atoms, wherein alkyl contains from about 1 to about 5 carbon atoms in said layer wherein halogen is chlorine, and wherein there is further included a resinous binder selected from the group consisting of polycarbonates and polystyrenes.

23. An imaging member in accordance with **claim 21** wherein the aryl amine is N,N'-diphenyl-N,N-bis(3-methyl phenyl)-1,1'-biphenyl-4,4'-diamine.

24. An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of metal phthalocyanines, hydroxygallium phthalocyanines, chlorogallium phthalocyanines, or metal free phthalocyanines.

25. An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of titanyl phthalocyanines, perylenes, or halogallium phthalocyanines.

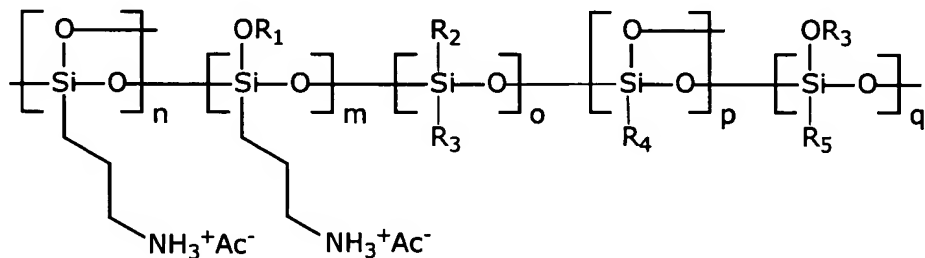
26. A method of imaging which comprises generating an electrostatic latent image on the imaging member of **claim 1**, developing the latent image, and transferring the developed electrostatic image to a suitable substrate.

27. An imaging member in accordance with **claim 1** wherein said hole blocking layer is of a thickness of about 2 to about 4 microns.

28. An imaging member in accordance with **claim 1** wherein said at least one is one.

29. An imaging member in accordance with **claim 1** wherein said at least one is from about 2 to about 10.

30. A photoconductive imaging member comprised of an optional supporting substrate, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of at least one copolymer of an aminoalkyltrialkoxysilane and a silane, and wherein said copolymer is of the formula



wherein n, m, o, p and q represent the number or mole percent of each segment, and each R is a suitable substituent.